

Water Vapor 20/a-P

Order No. 81 03 061

Application Range

Standard Measuring Range:	20 to 100 mg H ₂ O/m ³ (10 min measuring time) 100 to 500 mg H ₂ O/m ³ (5 min measuring time)
Test Volume:	40 L / 20 L
Flow Rate:	4 L / min
Time for Measurement:	10 min / 5 min
Standard Deviation:	± 15 to 20 %
Color Change:	yellow → reddish-brown

Ambient Operating Conditions

Temperature:	0 to 40 °C
Humidity:	cf. measuring range
Pressure:	The tube may only be used for depressurized compressed air

Reaction Principle

$\text{H}_2\text{O} + \text{SeO}_2 + \text{H}_2\text{SO}_4 \rightarrow \text{reddish brown reaction product}$

Cross Sensitivity

Alcohols and unsaturated hydrocarbons of high concentrations may cause a diffused discoloration of the indicating layer.



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